

B200 - LARC 03/08/16

Aircraft: [B200 - LARC](#) (See full schedule)

Flight Number: LVIS on B200 #21

Payload Configuration: AfriSAR 2016-LVIS

Nav Data Collected: No

Total Flight Time: 4.1 hours

Submitted by: Richard Yasky on 03/22/16

Flight Segments:

From:	FOOL	To:	FOOL
Start:	03/08/16 10:01 Z	Finish:	03/08/16 14:05 Z
Flight Time:	4.1 hours		
Log Number:	16B006	PI:	Christy Hansen
Funding Source:	Kathleen Hibbard - NASA - SMD - ESD Terrestrial Ecology		
Purpose of Flight:	Science		
Comments:	Flew the Biomass gradient line from the west coast to point 6 at FL240 overlapping a previous data line collection of the eastern portion from Pt 5-14. Repeated an IRD line 3 and then flew a Biomass parallel line back to the west coast. Collected two lines over Pongara (one new line and one repeat) with a transect across lines. Finished the flight with repeat and fill in lines over Mondah. Including several crossing transects and a good ramp pass at FL240. Accomplished Pitch and Roll maneuvers spaced periodically throughout the flight. Weather was great with pilot estimate of 90-95% collection over the entire flight.		

Flight Hour Summary:

	16B006
Flight Hours Approved in SOFRS	106.5
Total Used	106.5
Total Remaining	0

16B006 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
02/02/16	LVIS on B200	Check	1.7	1.7	104.8	
02/05/16	LVIS on B200 #2	Science	1.9	3.6	102.9	
02/12/16	LVIS on B200 #3	Ferry	2.6	6.2	100.3	
02/12/16	LVIS on B200 #4	Ferry	2	8.2	98.3	
02/13/16	LVIS on B200 #5	Ferry	3.1	11.3	95.2	
02/13/16	LVIS on B200 #6	Ferry	3.1	14.4	92.1	
02/14/16	LVIS on B200 #7	Ferry	3.5	17.9	88.6	
02/14/16	LVIS on B200 #8	Ferry	3.5	21.4	85.1	
02/16/16	LVIS on B200 #9	Ferry	2.7	24.1	82.4	
02/16/16	LVIS on B200 #10	Ferry	3.6	27.7	78.8	
02/17/16	LVIS on B200 #11	Ferry	4.5	32.2	74.3	
02/17/16	LVIS on B200 #12	Ferry	3.8	36	70.5	

02/20/16	LVIS on B200 #13	Science	4.3	40.3	66.2
02/22/16	LVIS on B200 #14	Science	3.7	44	62.5
02/23/16	LVIS on B200 #15	Science	3.2	47.2	59.3
02/25/16	LVIS on B200 #16	Science	0.4	47.6	58.9
03/02/16	LVIS on B200 #17	Science	4.4	52	54.5
03/03/16	LVIS on B200 #18	Science	4.2	56.2	50.3
03/04/16	LVIS on B200 #19	Science	3.7	59.9	46.6
03/07/16	LVIS on B200 #20	Science	4.4	64.3	42.2
03/08/16	LVIS on B200 #21	Science	4.1	68.4	38.1
03/10/16	LVIS on B200 #22	Ferry	3.9	72.3	34.2
03/10/16	LVIS on B200 #23	Ferry	5	77.3	29.2
03/11/16	LVIS on B200 #24	Ferry	4.4	81.7	24.8
03/11/16	LVIS on B200 #25	Ferry	3.3	85	21.5
03/12/16	LVIS on B200 #26	Ferry	4.7	89.7	16.8
03/12/16	LVIS on B200 #27	Ferry	4	93.7	12.8
03/14/16	LVIS on B200 #28	Ferry	4.1	97.8	8.7
03/14/16	LVIS on B200 #29	Ferry	2.8	100.6	5.9
03/15/16	LVIS on B200 #30	Ferry	4.1	104.7	1.8
03/15/16	LVIS on B200 #31	Ferry	1.8	106.5	0

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Related Science Report:

Afrisar - B200 - LARC 03/08/16 Science Report

Mission: Afrisar

Mission Summary:

Flew western third of the Biomass transect line to IRD (over high biomass ground site), crossing existing data at IRD site, turned to north and repeated an IRD line (over ground sites) then held the heading out to the coast thus flying down the center of the UAVSAR swath. Excellent coverage, ~85%. On return to Libreville area, flew 2 lines at Pongara (one a repeat of an earlier line, the other extending data collection to the coastline/area of higher mangroves), then continued to Mondah where 6 lines were repeated concentrating on the ground sites there. Conditions in the am did not hint at the close to country-wide clearing that ultimately occurred!! Great day! Thank you everyone. All instruments operational (LVIS, camera, hyperspectral camera).

Submitted by: Michelle Hofton on 03/09/16

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